Tripartite Exercise:

Lessons Learned

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Foot and Mouth Disease
Tripartite Functional Exercise 2000
The Mexican Perspective

Background

- April, 1999. Proposal in the Meeting of the Directive Committee of the North American FMD Vaccine Bank to test the operation of the NAFMDVB in a FMD emergency including the member countries
- Three previous meetings
  - Austin Texas
  - Washington DC, USA
  - Guadalajara, Mex
- Evaluation Meeting Ottawa, Canada

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Table Top Exercise
México June 20-22 , 2000

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Tripartite FMD Functional Exercise

Objectives

- To evaluate during an FMD outbreak
  - Veterinary Services response
  - Tripartite communication plan
  - Operation of the vaccine bank
  - Decision tree matrix for vaccine use

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Tripartite FMD Functional Exercise

National Objectives

- To evaluate the response of the Mexican Animal Health Emergency Systems
- To train the staff of the emergency services of animal health on FMD control and eradication methods
- Use and revise the Mexican Emergency Plan

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Tripartite FMD Functional Exercise

- The exercise was coordinated by the Mexican United States Commission to Prevent FMD and other exotic animal diseases
- 70 persons participated in the exercise from different organizations
  - Livestock Producers.
  - Federal and state agencies.
  - Ministries of Agriculture, Defense, Environment
  - International Organisms

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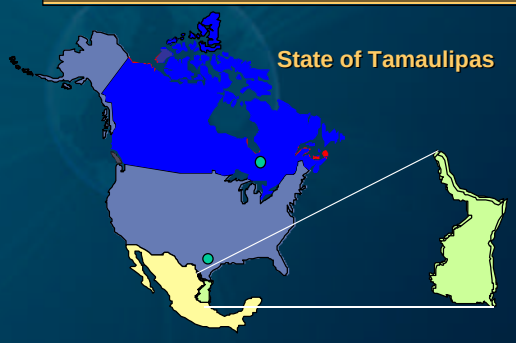
Location of the Simulated Outbreak



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Exercise Cronology

- Day 1
- Notificaction of a suspicious case of FMD in Aldama, state of Tamaulipas
- Index case
- El Laurel Ranch with 335 bovines, 12 swine, 120 ovine and 15 equine
- Precautory quarantine established and Epi investigation started

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Exercise Cronology

- Day 2
- Case confirmation
- Activation of Emergency System
- Quarantine
- Movement control
- Focal and perifocal areas
- 3 new cases are detected

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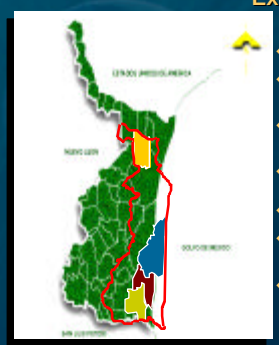
Exercise Cronology



- Day 3
- Quarantine of 13 municipalities
- Susceptible animals Focal area: 553,556
- Perifocal: 338,308
- Day 12
- 21,775 affected animals in 477 farms
- 11,801 animals slaughtered

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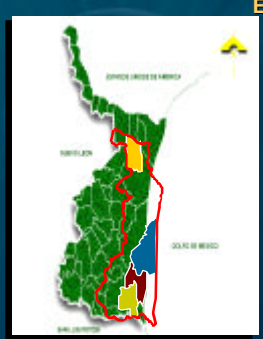
Exercise Cronology



- Day 13
- Ring vaccination started
- Day 65
- 24,601 animals affected
- 22,047 slaughtered from 483 farms
- 70 million pesos. Compensations to producers spent

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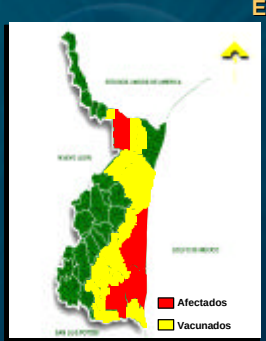
Exercise Cronology



- Day 150
- 783,409 animals vaccinated
- Vaccination stopped
- Last FMD case

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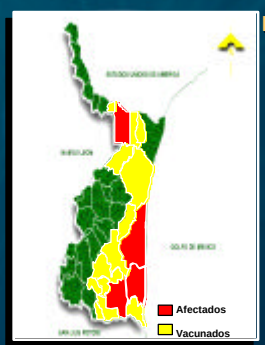

Exercise Cronology

- Day 170 to day 200
- Sentinelization
- Slaughter of vaccinates

After three months of having slaughtered the last vaccinate a request is made to the OIE to get the free status back

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Critical Points Identified in the Emergency Response

- Reliable livestock inventories
- Reliable inventories of resources & availability for the emergency
- Availabiity of Emergency financial resources on time
- The need to update the Emergency Manual in the case of a FMD outbreak with the new technical developments

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Critical Points Identified in the Emergency Response

- The need to incorporate the Vaccine bank protocols in the Emergency Manual
- To increase Industry participation in the emergency response
- To Increase communication between the operation staff, the epidemiological team and the decision making staff
- To include other Government Agencies
- Organisms that can help with resources in the case of an outbreak

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Achievements

- Better knowledge of the tools to help in the decision making process:
  - Communication Plan
  - Decision Matrix
  - Decision Tree
  - Simulation Model
- Increase awarennes of industry on the importance of being ready for an animal health emergency
- To repeat this type of exercises at differente levels to be prepared in the case of an outbreak

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MEXICO – UNITED STATES COMMISSION TO PREVENT FOOT AND MOUTH DISEASE AND OTHER FOREIGN ANIMAL DISEASES

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